

PLEASE DO NOT ENTER. SKW 3/22/05

Please amend the application as follows:

In the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (currently amended) A self-expanding stent comprising a lattice,

wherein the lattice comprises a first and a second helix forming a hollow tube having a longitudinal axis and no free ends;

wherein the first helix comprises a plurality of nonsinusoidal undulations,

wherein the second helix comprises a plurality of elongate link connection elements in series with the undulations, and the connection elements connect fewer than all of the undulations in adjacent turns of the first helix, and

wherein the first and second helices proceed circumferentially in opposite directions along the entire longitudinal axis of the hollow tube.

2. (original) The self-expanding stent of claim 1, wherein each undulation is formed from ascending and descending arms connected together at a junction point.

3. (original) The self-expanding stent of claim 2, wherein the connection element extends between the junction points lying on adjacent undulations.

4. (previously presented) The self-expanding stent of claim 3, wherein the number of connection elements in each 360 degree turn of the first helix is at least two.